

Express Mail Label No. EK 943404951 US

Date Mailed: October 26, 2001

100745-7 / Miura 214-KGB

Client's Ref.: F-E-3

#2/a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : ISAMU UEMASU ET AL  
SERIAL NO. : TO BE ASSIGNED  
FILED : HERewith  
FOR : METHOD AND EQUIPMENT FOR CONTINUOUS AND  
SELECTIVE INCLUSION SEPARATION  
ART UNIT : TO BE ASSIGNED  
EXAMINER : TO BE ASSIGNED

October 26, 2001

Hon. Commissioner of Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

SIR:

Prior to examination, please amend the above-identified application as follows:

IN THE DESCRIPTION:

Last paragraph beginning on page 7, please change as follows:

ai  
Organic solvents hardly soluble in water and hardly capable of forming an inclusion complex with a cyclodextrin are preferred as the organic solvent for use in dissociating and extracting a compound entrapped in the aqueous cyclodextrin phase from the cyclodextrin.

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 $a^2$ 

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A<sup>2</sup> cont.  
solvent. During the course of depressurization, heat being generated during liquefaction of the low-boiling solvent vapor through pressurization may be utilized as an (ancillary) means for preventing temperature drop of the organic phase and the aqueous phase in the reaction vessel in keeping with evaporation of the low-boiling solvent (means particularly for preventing the aqueous phase from freezing). The liquefied low-boiling solvent can be reused as the extraction solvent. The extracted organic compound(s) remaining in the reaction vessel is recovered.

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Alternatively, the organic phase after the extraction operation may be first withdrawn from the reaction vessel into a pressure vessel from which the low-boiling solvent vapor is recovered, instead of direct recovery of the low-boiling solvent vapor from the reaction vessel. In this case as well, heat being generated during pressurization and liquefaction of the low-boiling solvent vapor may of course be used as an (ancillary) means for preventing temperature drop of the residual organic phase(s) and the aqueous phase. Advantages of using a low-boiling solvent boiling below ordinary temperature lie in that a great difference in boiling point between a compound as an object of separation like axylene isomer and an extraction solvent hardly allows the low-boiling solvent to mix in the separated compound, and in that a large-scale and elaborate distillation apparatus may be dispensed with in performing an industrial separation process according to the present invention.

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Page 17, Example 5, please change as follows:

A<sup>3</sup> Example 5

250 ml of a 10 wt.% aqueous solution of a glucosyl-  $\alpha$  - cyclodextrin mixture was placed